

In the claims: The claims are as follows.

1. (Original) An apparatus, comprising a ranging receiver (12), for providing output signals indicating information as to the position or motion of the ranging receiver (12), the apparatus characterized in that:

the ranging receiver is responsive to power control signals based on sensor signals indicating whether the ranging receiver (12) is in motion, the power control signals for powering on or off selected components of the ranging receiver;

and in that the apparatus further comprises:

a motion sensor (14), mechanically coupled to the ranging receiver (12), for providing the sensor signals.

2. (Original) An apparatus as in claim 1, further characterized by a controller (15), responsive to the sensor signals, for providing the power control signals so as to power down the selected components of the ranging receiver (12) if the sensor signals indicate that the ranging receiver (12) is substantially stationary.

3. (Previously presented) An apparatus as in claim 2, wherein the controller (15) also uses the output signals from the ranging receiver (12) in deciding whether to power down the selected components of the ranging receiver (12) by determining whether the output signals from the ranging receiver also indicate that the ranging receiver (12) is substantially stationary.

4. (Original) An apparatus as in claim 1, wherein the controller (15) re-applies power to the selected components as soon as the motion sensor (14) indicates significant motion of the ranging receiver (12).

5. (Previously presented) An apparatus as in claim 1, wherein the controller (15) re-applies power to the selected components as soon as the motion sensor (14) indicates significant motion of the ranging receiver (12) but does not reapply power for a predetermined time in case of sensor signals indicating motion of at most several centimeters per minute.

6. (Original) An apparatus as in claim 1, wherein the motion sensor (14) is a MEMS-based motion sensor.

7. (Original) An apparatus as in claim 1, wherein the motion sensor (14) comprises an electronic compass or an accelerometer.

8. (Original) A system, comprising: an apparatus as in claim 1, and further comprising one or more ranging satellites for providing ranging signals conveying navigation information, wherein the apparatus provides the output signals indicating information as to the position or motion of the ranging receiver (12) based on the ranging signals.

9. (Original) A system, comprising: a cellular communication terminal including an apparatus as in claim 1, and a cellular communication network by which the cellular communication terminal is communicative with other communication terminals.

10. (Original) A system, comprising: a cellular communication terminal including an apparatus as in claim 1; a cellular communication network by which the cellular communication terminal is communicative with other communication terminals; and one or more ranging satellites for providing ranging signals conveying navigation information, wherein the apparatus provides the output signals indicating information as to the position or motion of the ranging receiver (12) based on the ranging signals.

11. (Original) A method for saving power consumed by a ranging receiver (12), characterized by:

a step (21) of reading sensor signals provided by a motion sensor (14) mechanically coupled to the ranging receiver (12);
and

a step (22) of powering down selected components of the ranging receiver (12) based on whether the sensor signals indicate only at most insubstantial motion of the ranging receiver (12).

12. (Previously presented) The method of claim 11, further characterized by:

a step (24) of reapplying power to the selected components as soon as the motion sensor (14) indicates significant motion of the ranging receiver (12), but not reapplying power for a predetermined time in case of sensor signals indicating motion of at most several centimeters per minute.

13. (Original) A computer program product comprising: a computer readable storage structure embodying computer program code thereon for execution by a computer processor, with said computer program code characterized in that it includes instructions for performing the steps of the method of claim 11.

14. (New) The method of claim 11, wherein in the step (22) of powering down selected components of the ranging receiver (12) based on whether the sensor signals indicate only at most insubstantial motion of the ranging receiver (12), output signals from the ranging receiver (12) are also used in deciding whether to power down the selected components, by determining whether the output signals from the ranging receiver also indicate that the ranging receiver (12) is substantially stationary.